



Patent Application  
Attorney Docket No.: 57941.000063  
Client Reference No.: RA001.2003.2.C.US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :  
:   
Michael Farmwald et al. : Group Art Unit: Unassigned  
:   
Appln. No.: 10/716,596 :   
: Examiner: Unassigned  
Filed: November 20, 2003 :   
:   
For: CONTROLLER DEVICE AND METHOD :   
OF OPERATING SAME(as amended) :

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Submitted herewith is a Preliminary Amendment for the above-identified patent application.

[ ] No additional fee is required.

[X] Also attached: A Cross-Reference to Potentially Related Applications Under 37 CFR § 1.78 and Return Receipt Postcard.

[X] The fee is calculated as shown below:

	PRESENT # OF CLAIMS	HIGHEST # PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	38	20	18	x \$18 =	\$324.00
Independent Claims	5	3	2	x \$86 =	\$172.00
Subtotal					\$496.00
Subtract ½ if Small Entity					\$ .00
<b>TOTAL FEE DUE</b>					<b>\$496.00</b>

[X] Please charge Deposit Account No. 50-0206 in the amount of \$ .00 for the above-indicated fees. A duplicate copy of this transmittal is submitted herewith.

[X] The Commissioner is hereby authorized to charge any shortage in fees under 37 CFR 1.16 and 1.17 associated with the filing of this communication, or credit any overpayment, to Deposit Account No. 50-0206. This authorization does not include any issue fees under 37 CFR 1.18. A duplicate copy of this transmittal is submitted herewith.

Respectfully submitted,

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Date: February 5, 2004



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: Michael Farmwald et al. : Group Art Unit: Unassigned  
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CROSS-REFERENCE TO POTENTIALLY RELATED APPLICATIONS  
UNDER 37 CFR § 1.78

Sir:

The above-identified patent application may be related to the following applications:

U.S. Patent Application No. 10/097,336, filed March 14, 2002 (pending); which is a continuation of U.S. Patent Application No. 09/835,263, filed April 13, 2001 (pending); which is a continuation of U.S. Patent Application No. 09/545,648, filed April 10, 2000 (pending); which is a continuation of U.S. Patent Application No. 09/161,090, filed September 25, 1998 (now U.S. Patent No. 6,049,846); which is a continuation of U.S. Patent Application No. 08/798,520, filed February 10, 1997 (now U.S. Patent No. 5,841,580); which is a

division of U.S. Patent Application No. 08/448,657, filed May 24, 1995 (now U.S. Patent No. 5,638,334); which is a division of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/221,108, filed December 28, 1998 (now U.S. Patent No. 6,415,339); which is a continuation of U.S. Patent Application No. 08/910,810, filed August 13, 1997 (pending); which is a continuation of U.S. Patent Application No. 08/710,574, filed September 19, 1996 (now abandoned); which is a continuation of U.S. Patent Application No. 08/469,490, filed June 6, 1995 (now abandoned); which is a continuation of U.S. Patent Application No. 07/847,961, filed March 5, 1992 (now abandoned); which is a divisional of U.S. Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/779,296, filed February 8, 2001 (now U.S. Patent No. 6,324,120); which is a continuation of U.S. Patent Application No. 09/492,982, filed January 27, 2000 (now U.S. Patent No. 6,452,863); which is a continuation of U.S. Patent Application No. 09/252,997, filed February 19, 1999 (now

U.S. Patent No. 6,034,918); which is a continuation of U.S. Patent Application No. 09/196,199, filed November 20, 1998 (now U.S. Patent No. 6,038,195); which is a continuation of U.S. Patent Application No. 08/798,520, filed February 10, 1997 (now U.S. Patent No. 5,841,580); which is a division of U.S. Patent Application No. 08/448,657, filed May 24, 1995 (now U.S. Patent No. 5,638,334); which is a division of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/200,446, filed November 27, 1998 (now U.S. Patent No. 6,035,365); which is a continuation of U.S. Patent Application No. 08/979,127, filed November 26, 1997 (now U.S. Patent No. 5,915,105); which is a continuation of U.S. Patent Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent No. 5,809,263); which is a continuation of U.S. Patent Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No.

5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898 filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 10/205,241, filed July 25, 2002 (now U.S. Patent No. 6,684,285); which is a continuation of U.S. Patent Application No. 10/054,196, filed January 22, 2002 (pending); which is a continuation of U.S. Patent Application No. 09/835,263, filed April 13, 2001 (pending); which is a continuation of U.S. Patent Application No. 09/545,648, filed April 10, 2000 (pending); which is a continuation of U.S. Patent Application No. 09/161,090, filed September 25, 1998 (now U.S. Patent No. 6,049,846); which is a continuation of U.S. Patent Application No. 08/798,520, filed February 10, 1997 (now U.S. Patent No. 5,841,580); which is a division of U.S. Patent Application No. 08/448,657, filed May 24, 1995 (now U.S. Patent No. 5,638,334); which is a division of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/916,493, filed July 26, 2001 (now U.S. Patent No. 6,513,081); which is a continuation Application No. 09/545,648, filed April 10, 2000 (now U.S.

Patent No. 6,378,020); which is a continuation of U.S. Patent Application No. 09/161,090, filed September 25, 1998 (now U.S. Patent No. 6,049,846); which is a continuation of U.S. Patent Application No. 08/798,520, filed February 10, 1997 (now U.S. Patent No. 5,841,580); which is a division of U.S. Patent Application No. 08/448,657, filed May 24, 1995 (now U.S. Patent No. 5,638,334); which is a division of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/263,224, filed March 5, 1999 (now U.S. Patent No. 6,032,215); which is a continuation of U.S. Patent Application No. 08/979,127, filed November 26, 1997 (now U.S. Patent No. 5,915,105); which is a continuation of U.S. Patent Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent No. 5,809,263); which is a continuation of U.S. Patent Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No.

5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898 filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/514,872, filed February 28, 2000 (now U.S. Patent No. 6,260,097); which is a continuation of U.S. Patent Application No. 09/252,998, filed February 19, 1999 (now U.S. Patent No. 6,032,214); which is a continuation of U.S. Patent Application No. 08/979,127, filed November 26, 1997 (now U.S. Patent No. 5,915,105); which is a continuation of U.S. Patent Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent No. 5,809,263); which is a continuation of U.S. Patent Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898 filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 10/028,077, filed December 21, 2001 (now U.S. Patent No. 6,546,446); which is a continuation of U.S. Patent Application No. 09/969,489, filed October 1, 2001 (now U.S. Patent No. 6,564,281); which is a continuation of U.S. Patent Application No. 09/669,295, filed September 25, 2000 (now U.S. Patent No. 6,304,937); which is a continuation of U.S.



Patent Application No. 09/510,213, filed February 22, 2000 (now U.S. Patent No. 6,182,184); which is a continuation of U.S. Patent Application No. 09/252,998, filed February 19, 1999 (now U.S. Patent No. 6,032,214); which is a continuation of U.S. Patent Application No. 08/979,127, filed November 26, 1997 (now U.S. Patent No. 5,915,105); which is a continuation of U.S. Patent Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent No. 5,809,263); which is a continuation of U.S. Patent Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898 filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/796,206, filed February 27, 2001 (now U.S. Patent No. 6,426,916); which is a continuation of U.S. Patent Application No. 09/492,982, filed January 27, 2000 (now U.S. Patent No. 6,452,863); which is a continuation of U.S. Patent Application No. 09/252,997, filed February 19, 1999 (now U.S. Patent No. 6,034,918); which is a continuation of U.S. Patent Application No. 09/196,199, filed November 20, 1998 (now U.S. Patent No. 6,038,195); which is a continuation of U.S.

Patent Application No. 08/798,520, filed February 10, 1997 (now U.S. Patent No. 5,841,580); which is a division of U.S. Patent Application No. 08/448,657, filed May 24, 1995 (now U.S. Patent No. 5,638,334); which is a division of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/357,989 filed June 26, 1999 (now U.S. Patent No. 6,067,592), and U.S. Patent Application No. 09/487,524, filed January 19, 2000 (now U.S. Patent No. 6,185,644); which are continuations of U.S. Patent Application No. 09,239,522, filed January 29, 1999 (now U.S. Patent No. 6,044,426); which is a continuation of U.S. Patent Application No. 09/098,387, filed June 16, 1998 (now U.S. Patent No. 5,928,343); which is a division of U.S. Patent Application No. 08/762,139, filed December 9, 1996 (now U.S. Patent No. 5,809,263); which is a continuation of U.S. Patent Application No. 08/607,780, filed February 27, 1996 (now abandoned); which is a continuation of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed

September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898 filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 10/716,595, filed November 20, 2003 (pending); which is a continuation of U.S. Patent Application No. 09/801,151, filed March 7, 2001 (pending); which is a continuation of U.S. Patent Application No. 09/629,497, filed July 31, 2000 (now U.S. Patent No. 6,314,051); which is a continuation of U.S. Patent Application No. 09/566,551, filed May 8, 2000 (now U.S. Patent No. 6,266,285); which is a continuation of U.S. Patent Application No. 09/213,243 filed December 17, 1998 (now U.S. Patent No. 6,101,152); which is a continuation of U.S. Patent Application No. 09/196,199, filed November 20, 1998 (now U.S. Patent No. 6,038,195), which is a continuation of U.S. Patent Application No. 08/798,520, filed February 10, 1997 (now U.S. Patent No. 5,841,580); which is a division of U.S. Patent Application No. 08/448,657, filed May 24, 1995 (now U.S. Patent No. 5,638,334); which is a division of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S.

Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 10/102,237, filed February 4, 2002 (now U.S. Patent No. 6,584,037); which is a continuation of U.S. Patent Application No. 09/893,836, filed June 28, 2001 (now U.S. Patent No. 6,570,814); which is a continuation of U.S. Patent Application No. 09/629,497, filed July 31, 2000 (now U.S. Patent No. 6,314,051); which is a continuation of U.S. Patent Application No. 09/566,551, filed May 8, 2000 (now U.S. Patent No. 6,266,285); which is a continuation of U.S. Patent Application No. 09/213,243, filed December 17, 1998 (now U.S. Patent No. 6,101,152); which is a continuation of U.S. Patent Application No. 09/196,199, filed November 20, 1998 (now U.S. Patent No. 6,038,195); which is a continuation of U.S. Patent Application No. 08/798,520, filed February 10, 1997 (now U.S. Patent No. 5,841,580); which is a division of U.S. Patent Application No. 08/448,657, filed May 24, 1995 (now U.S. Patent No. 5,638,334); which is a division of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

U.S. Patent Application No. 09/262,114 filed March 4, 1999 (now U.S. Patent No. 5,995,443); which is a continuation of U.S. Patent Application No. 09/196,199, filed November 20, 1998 (now U.S. Patent No. 6,038,195); which is a continuation of U.S. Patent Application No. 08/798,520, filed February 10, 1997 (now U.S. Patent No. 5,841,580); which is a division of U.S. Patent Application No. 08/448,657, filed May 24, 1995 (now U.S. Patent No. 5,638,334); which is a division of U.S. Patent Application No. 08/222,646, filed March 31, 1994 (now U.S. Patent No. 5,513,327); which is a continuation of U.S. Patent Application No. 07/954,945, filed September 30, 1992 (now U.S. Patent No. 5,319,755); which is a continuation of U.S. Patent Application No. 07/510,898, filed April 18, 1990 (now abandoned).

All of the above-listed applications are assigned to the same assignee as the present application.

Respectfully submitted,

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